

Kelsey M. Hassevoort

Center for Brain Plasticity, University of Illinois at Urbana-Champaign, 405 N. Mathews Ave.,
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Education

- 2012-2018 Ph.D., Neuroscience (Cognitive Neuroscience)
University of Illinois Urbana-Champaign, Urbana, IL
- 2012 B.A., Biology, *Summa Cum Laude*
Kalamazoo College, Kalamazoo, MI

Professional Experience

- 2018-present Postdoctoral Research Associate
Center for Brain Plasticity
Beckman Institute for Advanced Science and Technology
University of Illinois Urbana-Champaign
Faculty Mentors: Aron Barbey, Ph.D.; Neal Cohen, Ph.D.
- 2015-present Research Team Member
“Retrospectively studying the effects of early life nutrient intake on
cognitive function and brain health in preadolescent children”
University of Illinois Urbana-Champaign
PI: Naiman Khan, Ph.D., R.D.
- Collaborating Research Team Member
“Utilizing avocados to reduce abdominal obesity and improve
glycemic control, gut microbiota, and cognition”
University of Illinois Urbana-Champaign
PI: Naiman Khan, Ph.D., R.D.
- 2013-2018 Research Team Member
Fitness Improves Thinking in Kids (FITKids 2)
University of Illinois Urbana-Champaign
PI: Charles Hillman, Ph.D.
- 2014-2017 Research Team Member
“Optimizing Assessment Tools for Determining Nutritional
Enhancement of Learning and Memory”
University of Illinois Urbana-Champaign
PI: Neal Cohen, Ph.D., Arthur Kramer, Ph.D., Renee Baillargeon,
Ph.D., John Wang, M.D.
- 2012-2018 Graduate Research Assistant
Memory Systems Laboratory, Beckman Institute for Advanced
Science and Technology
University of Illinois Urbana-Champaign
PI: Neal Cohen, Ph.D.

Additional Research Training

- 2015 **Training course in functional Magnetic Resonance Imaging (fMRI)**
The University of Michigan, Ann Arbor, MI

Grants and Fellowships

- 2015-present **Graduate Research Assistant**
Agency: University of Illinois at Urbana-Champaign
Total award to-date: \$60,000
- 2012-2015 **Illinois Distinguished Fellowship**
Agency: University of Illinois at Urbana-Champaign
Total award: \$75,000
- 2011 **Summer Research Fellowship**
Agency: Howard Hughes Medical Institute (HHMI)
Total award: \$2,500
- 2008-2012 **F.W. and Elsie L. Heyl Science Scholarship**
Agency: The F.W. and Elsie Heyl Fund
Total award: \$200,000

Publications

Peer-Reviewed Journal Articles

- Hassevoort, K.M.**, Khan, N.A., Hillman, C.H., Kramer, A.F., Cohen, N.J. (2018). Relational memory is associated with academic achievement in preadolescent children. *Trends in Neuroscience and Education*. doi: 10.1016/j.tine.2018.09.001
- Hassevoort, K.M.**, Khazoum, S.E., Walker, J.A., Barnett, S.M., Raine, L.B., Hammond, B.R., Renzi-Hammond, L.M., Kramer, A.F., Khan, N.A., Hillman, C.H., Cohen, N.J. (2017). Macular carotenoids, aerobic fitness, and central adiposity are differentially associated with hippocampal-dependent relational memory in preadolescent children. *Journal of Pediatrics*. doi: 10.1016/j.jpeds.2017.01.016
- Hassevoort, K.M.**, Khan, N.A., Hillman, C.H., & Cohen, N.J. (2016). Childhood markers of health behavior relate to hippocampal health, memory, and academic performance. *Mind, Brain and Education*, 10: 162–170. doi: 10.1111/mbe.12108
- Bernard, J. A., Seidler, R.D., **Hassevoort, K.M.**, Benson, B.L., Wiggins, J. L., Jaeggi, S. M., Buschkuhl, M., Jonides, J. Monk, C. S., & Peltier, S.J. (2012). Resting state cortico-cerebellar functional connectivity networks: A comparison of anatomical and self-organizing map approaches. *Frontiers in Neuroanatomy*, 6:31. doi: 10.3389/fnana.2012.00031

Manuscripts in Progress

- Hassevoort, K.M.**, Lin, A.S., Hillman, C.H., Khan, N.A., Cohen, N.J. (*in revision*). Added sugar and dietary fiber intake are associated with creativity during preadolescence.
- Hassevoort, K.M.**, Khan, N.A., Hillman, C.H., Cohen, N.J. (*submitted*). The differential development of hippocampal-dependent processing.
- Hassevoort, K.M.**, Kaper-Tucker, A.A., Khan, N.A., Cohen, N.J. (*in prep*). Associations between body composition and hippocampal-dependent processing in overweight and obese adults.

Conference Presentations

Cannavale, C.N., **Hassevoort, K.M.**, Horecka, K.M., Edwards, C.G., Thompson, S.V., Holscher, H.D., Cohen, N.J., Khan, N.A. (2018). Associations between dietary carotenoids and hippocampal-dependent relational memory. *Society for Neuroscience Annual Meeting, San Diego, CA.*

Hassevoort, K.M., Hillman, C.H., Khan, N.A., Cohen, N.J. (2017). Relational memory is positively associated with academic achievement among preadolescent children. *Society for Neuroscience Annual Meeting, Washington, D.C.*

Westfall, D.R., **Hassevoort, K.M.**, Barnett, S.M., Covello, A.R., Bottin, J., Perrier, E., Cohen, N.J., Hillman, C.H., Khan, N.A. (2017). Effects of hydration on relational memory among preadolescent children. *Experimental Biology, Chicago, IL.*

Hassevoort, K.M., Lin, A.S., Zola, S.E., Hillman, C.H., Khan, N.A., Cohen, N.J. (2016). Added sugar intake is inversely related to creativity among preadolescents. *Society for Neuroscience Annual Meeting, San Diego, CA.*

Khan, N.A., **Hassevoort, K.M.**, Edwards, C.G., Thompson, S.V., Barbey, A.K., Cohen, N.J., Holscher, H.D. (2016). Gut microbiota fermentation end products are selectively related to hippocampal function among overweight and obese adults. *Obesity Society Annual Meeting (ObesityWeek), New Orleans, LA.*

Hassevoort, K.M., Zola, S.E., Hillman, C.H., & Cohen, N.J. (2016). Spatial reconstruction and pattern separation tasks are differentially sensitive to the relationship between health behaviors and hippocampal function. *The Twenty-third Annual Cognitive Neuroscience Society Meeting, New York, NY.*

Hassevoort, K.M., Zola, S.E., McCorkle, S.M., Raine, L.B., Khan, N.A., Kramer, A.F., Hillman, C.H., & Cohen, N.J. (2015). Macular lutein is associated with cognitive performance in preadolescent children. *Society for Neuroscience Annual Meeting, Chicago, IL.*

Hassevoort, K.M., Watson, P.D., Zola, S.E., Hillman, C.H., & Cohen, N.J. (2015). Pattern separation and relational binding across the lifespan. *The Twenty-second Annual Cognitive Neuroscience Society Meeting, San Fransisco, CA.*

Bernard, J.A., Peltier, S.J., **Hassevoort, K.M.**, Wiggins, J.L., Jaeggi, S.M., Bushkeuhl, M., Jonides, J., Monk, C.S., & Seidler, R.D. (2011). Resting state cortico-cerebellar functional connectivity patterns of the cerebellar lobules and vermis. *The Nineteenth Annual Cognitive Neuroscience Society Meeting, Chicago, IL.*

Awards and Honors

2017	Neuroscience Program Student Presenter Travel Award
2016	Neuroscience Program Student Presenter Travel Award
2014	NSF Graduate Research Fellowship Program, Honorable Mention
2012	William E. Praeger Prize for excellence in biology
2012	Diebold Scholar Award for excellence in presentation of the senior thesis
2012	Gustave W. and Mina B. Moessen Honors Award
2012	Alpha Lambda Delta Maria Leonard Senior Book Award

Teaching Experience

2017-2018 Advanced Research in Psychology (undergraduate, upper division)
 Instructor, Independent Lecture
 Psychology Department, University of Illinois Urbana-Champaign

Mentored Students

Graduate Students

2017 – present Corinne Cannavale, University of Illinois Urbana-Champaign

Undergraduate Research *indicates undergraduate presenter

*Ashley Kaper-Tucker, undergraduate research assistant (2016-2018)

Undergraduate Thesis: *Association between body composition and hippocampal function among overweight and obese adults*

Anna Lin, undergraduate research assistant (2015-2018)

Erica Westling-Fox, undergraduate research assistant (2016-2017)

Stefan King, undergraduate research assistant (2016-2017)

Moriah Herman-Mead, undergraduate research assistant (2016-2017)

Corinne Cannavale, undergraduate research assistant (2016)

*Matthew Simanonis, undergraduate research assistant (2016-2017)

Undergraduate research symposium poster presentation: *Health and Relational Memory During Childhood*

Sabrina White, undergraduate research assistant (2016-2017)

Elizabeth Schlessinger, medical student research assistant (summer 2016)

Andrew Sagalov, undergraduate research assistant (2015-2016)

Faizan Khawaja, post-baccalaureate research assistant (2014-2016)

Rachel Gonzalez, post-baccalaureate research assistant (2014-2016)

*Sarah Zola, undergraduate research assistant (2013-2016)

Undergraduate Honors Thesis: *Contributions of aerobic fitness, adiposity, and lutein to hippocampal-dependent memory in children* (awarded Distinction in Psychology)

Cognitive Neuroscience division award winner

Julia Kruse, undergraduate research assistant (2013-2015)

Professional Service

Local

2013-2017 Urbana-Champaign Brain Awareness Day

Student Leadership

2014-2015 President, Neuroscience Program Graduate Student Organization

2013-2014 Chair, Neuroscience Program Graduate Open House Organizing Committee

Society Memberships

Professional Societies

Society for Neuroscience, member since 2013

Cognitive Neuroscience Society, member since 2013

Honor Societies

Phi Beta Kappa, member since 2012

Chi Alpha Sigma, member since 2012

Alpha Lambda Delta, member since 2009

Certifications/Licensures

02/2017	Keiser, Certified Indoor Cycling Instructor
06/2015	TRX®, Certified Instructor
02/2015	Les Mills International, Certified BODYPUMP™ Instructor
04/2014	Mad Dogg Athletics, Certified Spinning™ Instructor
04/2013	University of Illinois College of Business, Certificate in Business (CIB)
05/2013-present	American Red Cross, Certified in Adult and Pediatric CPR and First Aid